

Memorandum

To: Programs, Projects and Operations Subcommittee

Re: California Bend Road Repair Billing

From: Jim Becic

Date: July 29, 2008

The Board approved an access road repair agreement with Valley Corp. General Contractors on 8 May, 2008 for \$57,675.00. The agreement was signed on May 12th and the construction work commenced on May 19th.

Three areas were involved. Areas "A" "B" and "C". Area "A" needed to be repaired (for access) before proceeding to the other two sites. (CALIFORNIA BEND - Pic)

Upon essentially completing area "A", the contractor proceeded to grade and haul materials to area "B". Area "B" was proceeding well- within an estimated less than 2 days of completing (20 & 21 May – pics) - when a period of two plus weeks of heavy rains and high Missouri River water prevented construction access.

Returning to the site in June (9 June - pic), it was apparent that floodwaters had overtopped the rocked, slope toe and eroded much of the materials back into the chute causing an additional slope failure.

The work proceeded quickly to haul additional rock and fill material to the site and rebuild the toe – closer to the channel bottom depth – until an additional rain/flood delay occurred mid June (12 June – pic). It appeared that even though the flood waters overtopped the toe again – the additional amount and depth of rock placement "held" the toe.

Once the area dried off enough, site work proceeded (16 & 18 June – pics) until 'cracks' began to form (18 June - pic). It appeared that the cracks were resulting from poor drainage through the soils (18 June – pic). A series of rock drains were installed between several rain delays (19 June pic) to intercept the water and convey it down-slope through the rocked toe.

Following completion of the rock drains and nearly all of the remaining soil by the contractor, additional rain delays occurred.

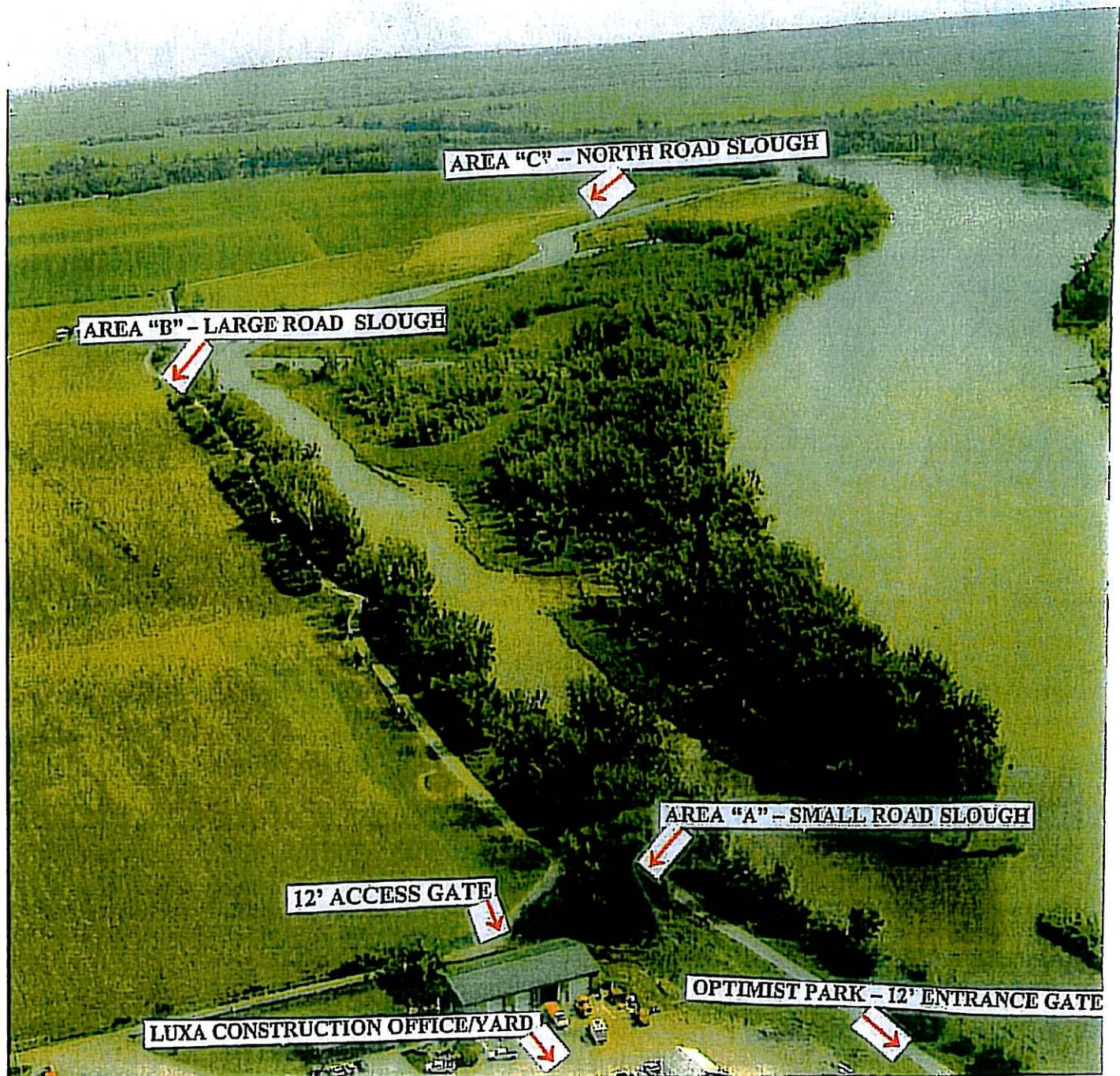
Returning to the site on 8 July following this latest rain delay (pic), it appeared that the newly rocked toe continued to hold but the slope had a vertical slough of several feet. The contractor was directed to cease any additional work at the site.

The final billing by the contractor amounted to \$186,240.74. Payment for the original contract amount of \$57,675.00 has been made to Valley Corporation – leaving a balance of \$128,565.74. Virtually all of this additional amount was for extra rock and soil needed to address the failed site "B" structure and install the rock drains. (Both sites "A" and "C" have been repaired.) All of the rock and soil was billed by the contractor at the original contract rate – with the exception of an approved additional amount of \$2,171.81 for rock

used to complete the second, deeper toe – prior to the second flood event. These additional 300 tons were procured from the Weeping Water Quarry when the Fort Calhoun Quarry would not sell additional rock to the contractor. The Fort Calhoun Quarry was providing all of its rock to Union Pacific for its Elkhorn River bridge crossing and barging rock elsewhere.

It is the staff recommendation that the Programs, Projects and Operations Subcommittee recommend to the Board that the balance amount of \$128,565.74 be paid to Valley Corp.; General Contractors for the California Bend access road repair project.

CALIFORNIA BEND





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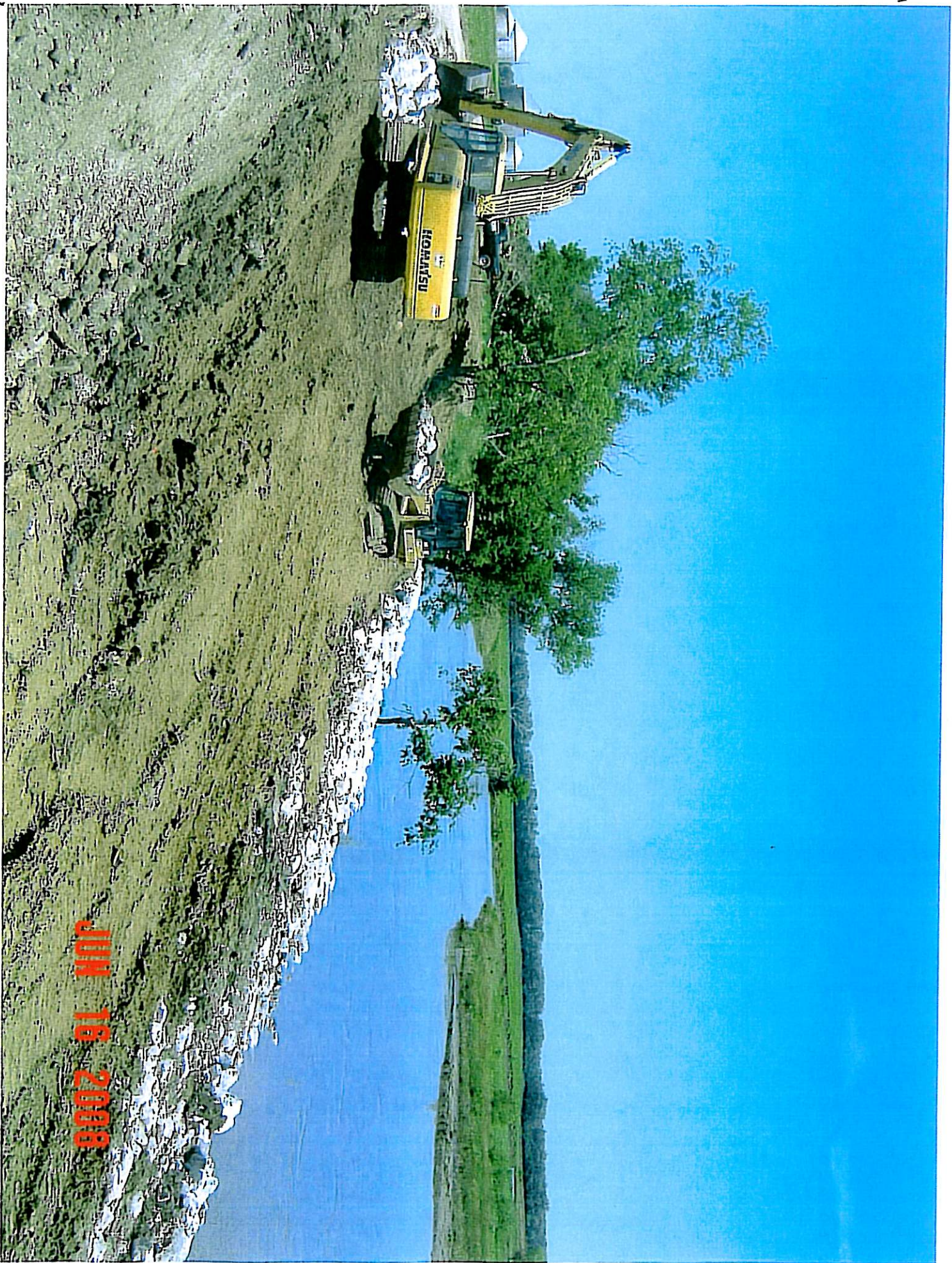




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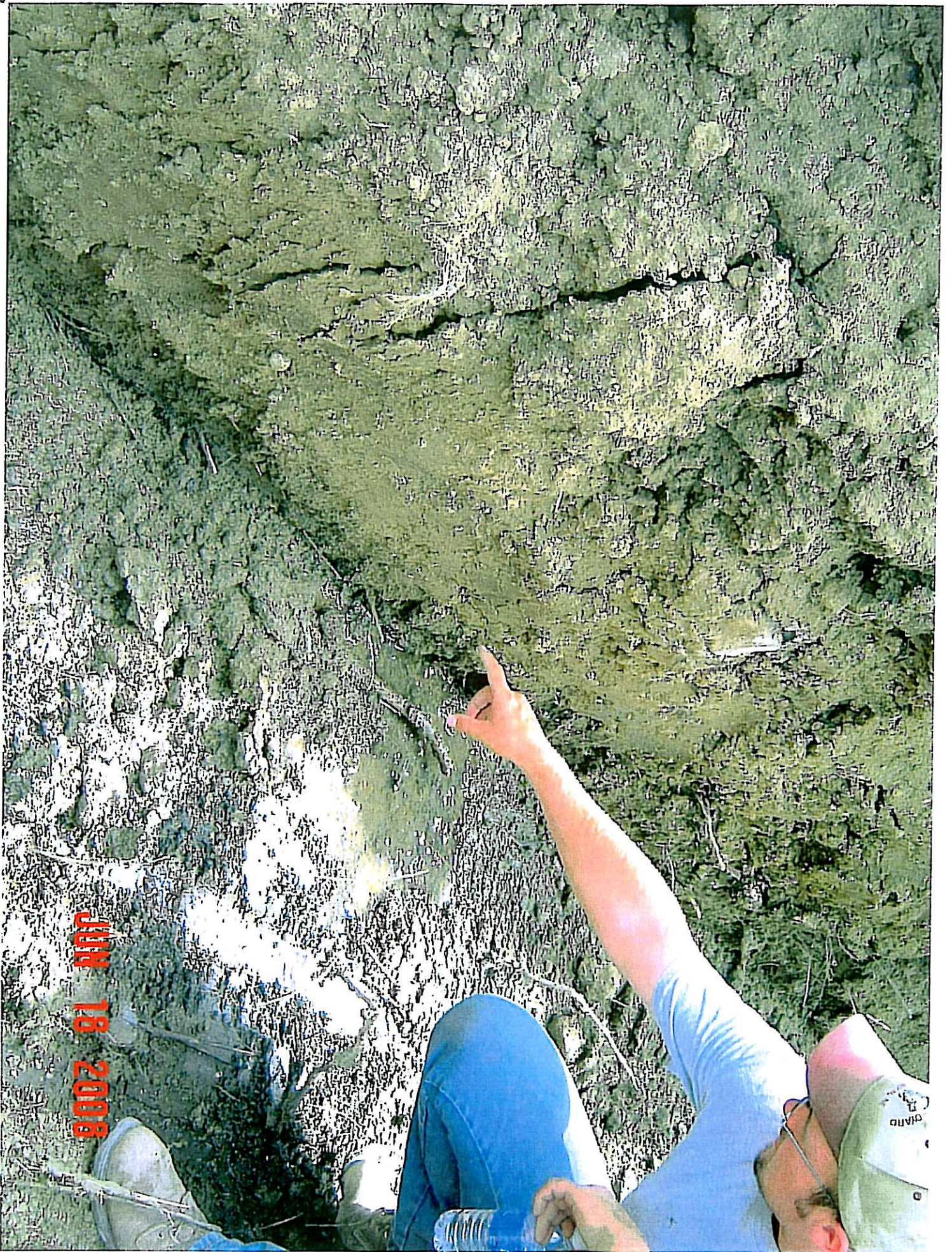


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